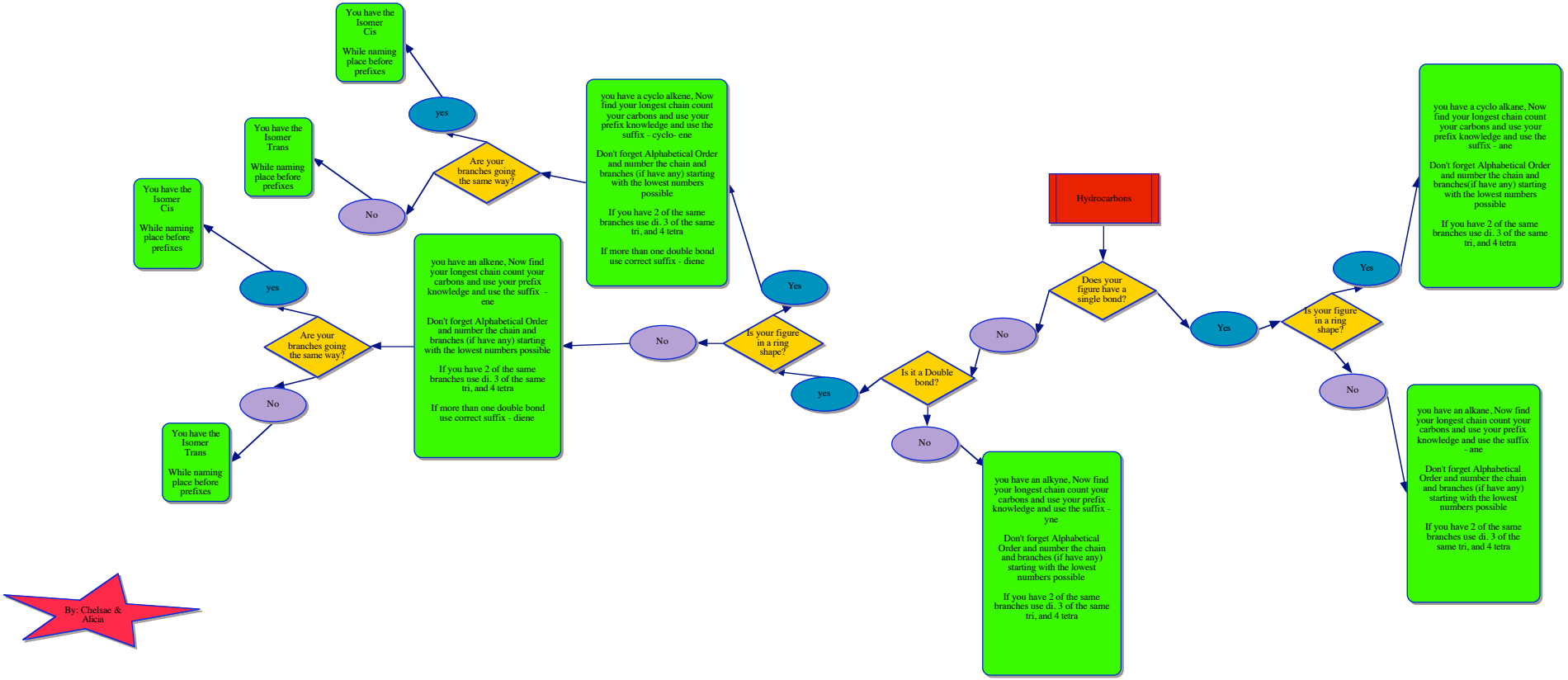
Hydrocarbons
Does your figure have a single bond?
Yes
No
Is it a Double bond?
No
you have an alkyne, Now find your longest chain count your carbons and use your prefix knowledge and use the suffix - yne
Don't forget Alphabetical Order and number the chain and branches (if have any) starting with the lowest numbers possible
If you have 2 of the same branches use di. 3 of the same tri, and 4 tetra
yes
Is your figure in a ring shape?
Yes
you have a cyclo alkene, Now find your longest chain count your carbons and use your prefix knowledge and use the suffix - cyclo- ene
Don't forget Alphabetical Order and number the chain and branches (if have any) starting with the lowest numbers possible
If you have 2 of the same branches use di. 3 of the same tri, and 4 tetra
If more than one double bond use correct suffix - diene
No
you have an alkene, Now find your longest chain count your carbons and use your prefix knowledge and use the suffix - ene
Don't forget Alphabetical Order and number the chain and branches (if have any) starting with the lowest numbers possible
If you have 2 of the same branches use di. 3 of the same tri, and 4 tetra
If more than one double bond use correct suffix - diene
Are your branches going the same way?
yes
You have the Isomer Cis
While naming place before prefixes
No
You have the Isomer Trans
While naming place before prefixes
Are your branches going the same way?
yes
You have the Isomer Cis
While naming place before prefixes
No
You have the Isomer Trans
While naming place before prefixes
Is your figure in a ring shape?
Yes
you have a cyclo alkane, Now find your longest chain count your carbons and use your prefix knowledge and use the suffix - ane
Don't forget Alphabetical Order and number the chain and branches(if have any) starting with the lowest numbers possible
If you have 2 of the same branches use di. 3 of the same tri, and 4 tetra
No
you have an alkane, Now find your longest chain count your carbons and use your prefix knowledge and use the suffix - ane
Don't forget Alphabetical Order and number the chain and branches (if have any) starting with the lowest numbers possible
If you have 2 of the same branches use di. 3 of the same tri, and 4 tetra
By: Chelsae & Alicia